


STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐

APPLICATION FOR PERMIT TO DRILL				1. WELL NAME and NUMBER NBU 920-13J		
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>				3. FIELD OR WILDCAT NATURAL BUTTES		
4. TYPE OF WELL Gas Well Coalbed Methane Well: NO				5. UNIT or COMMUNITIZATION AGREEMENT NAME NATURAL BUTTES		
6. NAME OF OPERATOR KERR-MCGEE OIL & GAS ONSHORE, L.P.				7. OPERATOR PHONE 720 929-6587		
8. ADDRESS OF OPERATOR P.O. Box 173779, Denver, CO, 80217				9. OPERATOR E-MAIL mary.mondragon@anadarko.com		
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU-0579		11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		
13. NAME OF SURFACE OWNER (if box 12 = 'fee')				14. SURFACE OWNER PHONE (if box 12 = 'fee')		
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')				16. SURFACE OWNER E-MAIL (if box 12 = 'fee')		
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN') Ute		18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>		19. SLANT VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>		
20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	1884 FSL 2217 FEL	NWSE	13	9.0 S	20.0 E	S
Top of Uppermost Producing Zone	1884 FSL 2217 FEL	NWSE	13	9.0 S	20.0 E	S
At Total Depth	1884 FSL 2217 FEL	NWSE	13	9.0 S	20.0 E	S
21. COUNTY UINTAH		22. DISTANCE TO NEAREST LEASE LINE (Feet) 1884		23. NUMBER OF ACRES IN DRILLING UNIT 1920		
		25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1500		26. PROPOSED DEPTH MD: 10500 TVD:		
27. ELEVATION - GROUND LEVEL 4734		28. BOND NUMBER WYB000291		29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE Permit #43-8496		

ATTACHMENTS**VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES**

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP
NAME Kevin McIntyre	TITLE Regulatory Analyst I
SIGNATURE	DATE 09/25/2008
API NUMBER ASSIGNED 43047501430000	PHONE 720 929-6226
APPROVAL	EMAIL Kevin.McIntyre@anadarko.com
 Permit Manager	

T9S, R20E, S.L.B.&M.Found 1968
Brass Cap.
Pile of Stones.S88°53'W 40.48 (G.L.O.)
S88°55'40"W - 2670.83' (Meas.)S88°55'W 39.58 (G.L.O.)
S88°55'55"W - 2612.51' (Meas.)Found 1968
Brass Cap.
Pile of Stones.N0°04'W 80.24 (G.L.O.)
N00°02'35"W - 2648.71' (Meas.)

NBU 920-13J (Proposed Well Head)
 NAD 83 LATITUDE = 40.03350' (40° 02' 00.61")
 LONGITUDE = 109.61359' (109° 36' 48.94")
 NAD 27 LATITUDE = 40.03354' (40° 02' 00.73")
 LONGITUDE = 109.61290' (109° 36' 46.45")

Found 1968
Brass Cap.
Pile of Stones.**WELL LOCATION:
NBU 920-13J**

ELEV. UNGRADED GROUND = 4733.9'

Found 1968
Brass Cap.
Pile of Stones.**13**Proposed
WellFound 1968
Brass Cap.
Pile of Stones.N01°03'42"W - 2562.34' (Meas.)
N1°04'W 38.88 (G.L.O.)N01°10'09"W (Basis of Bearings)
2690.10' (Measured)
N1°09'W 40.76 (G.L.O.)Found 1968
Brass Cap.
Pile of Stones.S88°26'58"W - 2692.14' (Meas.)
S88°26'W 81.58 (G.L.O.)Found 1968
Brass Cap.
Pile of Stones.**NOTES:**

▲ = Section Corners Located

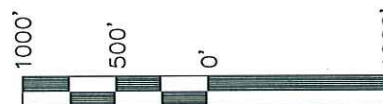
1. Well footages are measured at right angles to the Section Lines.
2. G.L.O. distances are shown in feet or chains. 1 chain = 66 feet.
3. Bearings are based on Global Positioning Satellite observations.
4. Basis of elevation is the Northwest Corner of Section 12, T9S, R20E, S.L.B.&M. The elevation of this Section Corner is shown on the Ouray SE 7.5 Min. Quadrangle as being 4676'.

Kerr-McGee
Oil & Gas Onshore, LP

1099 18th Street - Denver, Colorado 80202

NBU 920-13J
 WELL PLAT
 1884' FSL, 2217' FEL
 NW $\frac{1}{4}$ SE $\frac{1}{4}$ OF SECTION 13, T9S, R20E,
 S.L.B.&M. UTAH COUNTY, UTAH.

CONSULTING, LLC
 371 Coffeen Avenue
 Sheridan WY 82801
 Phone 307-674-0609
 Fax 307-674-0182



SCALE

**SURVEYOR'S CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
 PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
 MADE BY ME OR UNDER MY SUPERVISION AND THAT
 THE SAME ARE TRUE AND CORRECT TO THE BEST OF
 MY KNOWLEDGE AND BELIEF.

No. 6028691
 JOHN P. SLAUGH
 REGISTERED LAND SURVEYOR
 STATE OF UTAH

TIMBERLINE

(435) 789-1365

ENGINEERING & LAND SURVEYING, INC.

38 WEST 100 NORTH - VERNAL, UTAH 84078

DATE SURVEYED: 07-31-08	SURVEYED BY: B.J.S.	SHEET 1 OF 9
DATE DRAWN: 08-05-08	DRAWN BY: B.R.B.	
SCALE: 1" = 1000'	Date Last Revised:	

WELL PAD LEGEND

● WELL LOCATION
 --- EXISTING CONTOURS (1' INTERVAL)
 --- PROPOSED CONTOURS (1' INTERVAL)

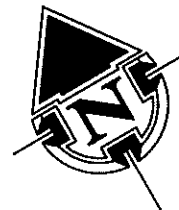
WELL PAD NBU 920-13J QUANTITIES

EXISTING GRADE @ LOC. STAKE = 4,733.9'
 FINISHED GRADE ELEVATION = 4,733.7'
 CUT SLOPES = 1.5:1
 FILL SLOPES = 1.5:1

TOTAL CUT FOR WELL PAD = 3,739 C.Y.
 TOTAL FILL FOR WELL PAD = 1,653 C.Y.
 TOPSOIL @ 6" DEPTH = 2,917 C.Y.
 TOTAL DISTURBANCE = 3.62 ACRES
 SHRINKAGE FACTOR = 1.15

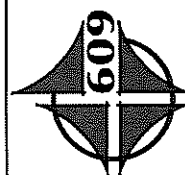
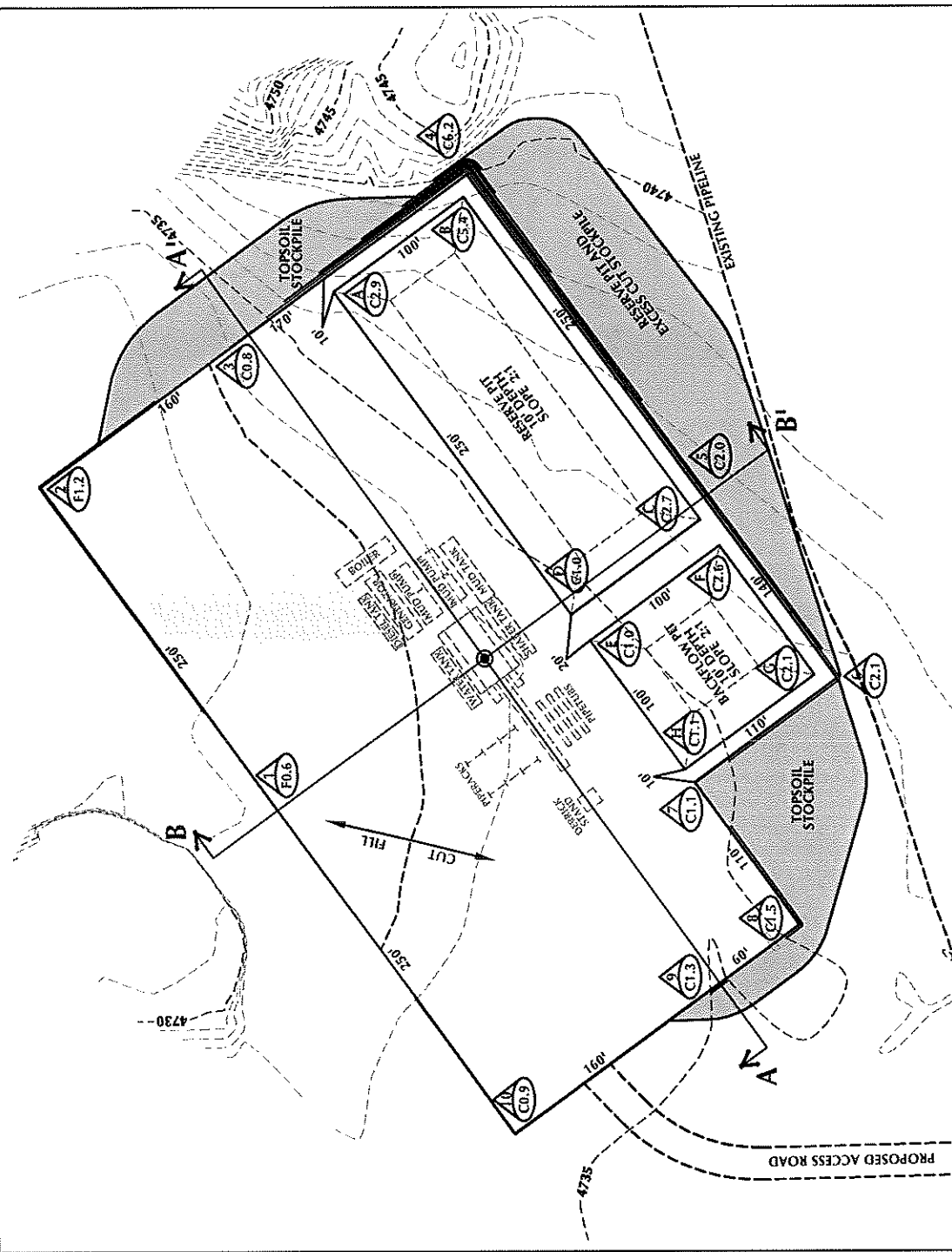
SWELL FACTOR = 1.00
 RESERVE PIT CAPACITY (2' OF FREEBOARD)
 +/- 25,880 BARRELS
 RESERVE PIT VOLUME
 +/- 7,185 CY

BACKFLOW PIT CAPACITY (2' OF FREEBOARD)
 +/- 8,780 BARRELS
 BACKFLOW PIT VOLUME
 +/- 2,520 CY



HORIZONTAL 0 50 100
 1" = 100'
 1' CONTOURS

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 38 WEST 100 NORTH VERNAL, UTAH 84078

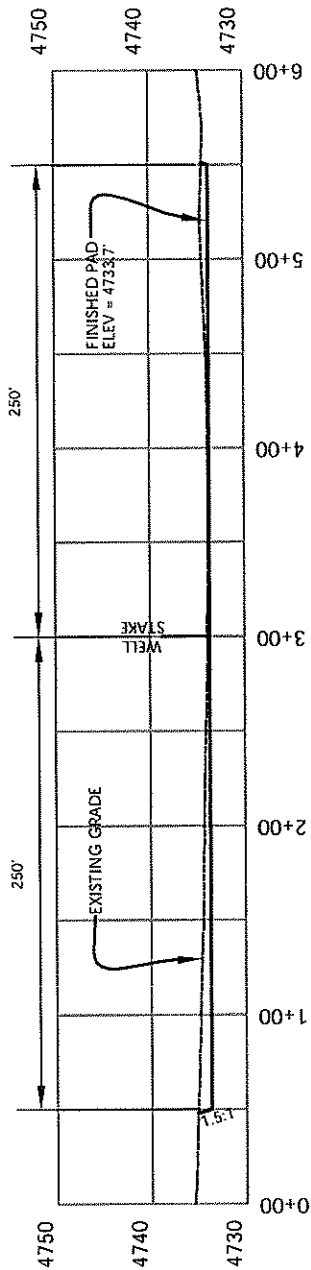


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ONSHORE L.P.
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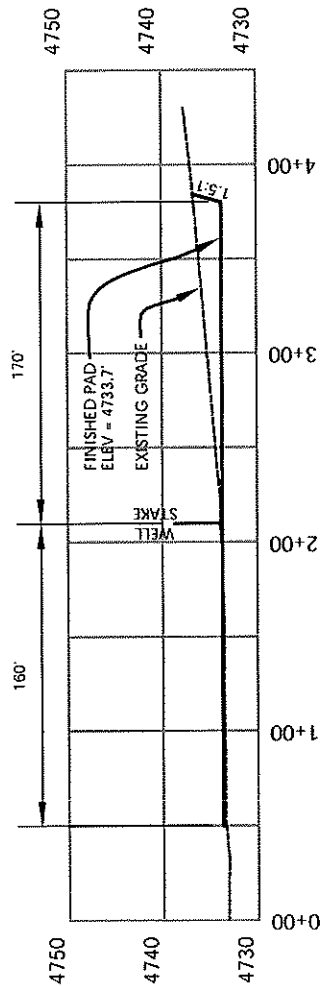
NBU 920-13J
WELL PAD - LOCATION LAYOUT
 1884' FSL, 2217' FEL
 NW1/4SE1/4, SECTION 13, T.9S., R.20E.
 S.L.B.&M., Uintah County, UTAH

CONSULTING, LLC
 371 Coffeen Avenue
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 Phone 307-674-0609
 Fax 307-674-0182

Scale: 1"=100'
 Date: 8/29/08
 SHEET NO: 2
 2 OF 9
 REVISED: BY DATE



CROSS SECTION A-A'



CROSS SECTION B-B'



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SHEET NO:

3

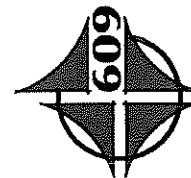
3 OF 9

Date: 8/29/08

BY

DATE

REVISIONS:



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KERR-MCGEE OIL & GAS
ONSHORE L.P.

1099 18th Street - Denver, Colorado 80202

NBU 920-13J
WELL PAD - CROSS SECTIONS
1884' FSL, 2217' FEL
NW1/4SE1/4, SECTION 13, T.9S., R.20E.
S.L.B.&M., UINTAH COUNTY, UTAH

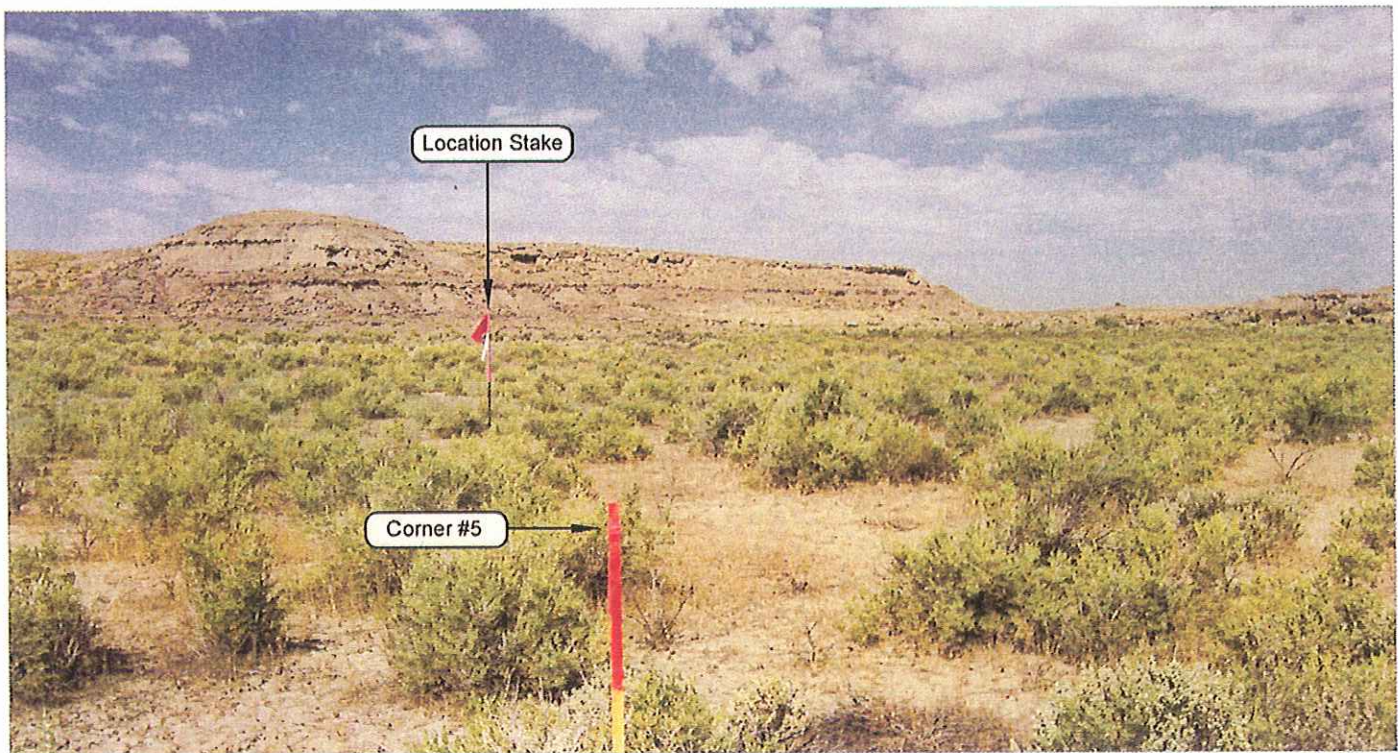


PHOTO VIEW: FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: WESTERLY



PHOTO VIEW: FROM BEGINNING OF PROPOSED ROAD

CAMERA ANGLE: NORTHEASTERLY

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 1884' FSL, 2217' FEL
 NW $\frac{1}{4}$ SE $\frac{1}{4}$ OF SECTION 13, T9S, R20E,
 S.L.B.&M. UINAH COUNTY, UTAH.



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LOCATION PHOTOS

TAKEN BY: M.S.B.

DRAWN BY: B.R.B.

DATE TAKEN: 07-31-08

DATE DRAWN: 08-05-08

REVISED:

Timberline (435) 789-1365
 Engineering & Land Surveying, Inc.
 38 WEST 100 NORTH VERNAL, UTAH 84078

SHEET
 4
 OF 9

Kerr-McGee Oil & Gas Onshore, LP
NBU 920-13J
Section 13, T9S, R20E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 13.9 MILES TO THE JUNCTION OF STATE HIGHWAY 88. EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION ALONG STATE HIGHWAY 88 APPROXIMATELY 16.8 MILES TO OURAY, UTAH. FROM OURAY, PROCEED IN A SOUTHERLY DIRECTION ALONG THE SEEP RIDGE ROAD (COUNTY B ROAD 2810) APPROXIMATELY 5.3 MILES TO THE INTERSECTION OF AN EXISTING ROAD TO THE EAST. EXIT LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION ALONG EXISTING ROAD APPROXIMATELY 3.6 MILES TO THE PROPOSED ACCESS ROAD. FOLLOW ROAD FLAGS IN A NORTHEASTERLY THEN NORTHWESTERLY DIRECTION APPROXIMATELY 3,660 FEET TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 40.3 MILES IN A SOUTHERLY DIRECTION.